

**CURRICULUM VITAE****David C. Naftel, PhD****DATE:** December 28, 2015**PERSONAL INFORMATION:****NAME:**

David C. Naftel

(b) (6)

**RANK/TITLE:****RANK:** (Primary appointment):

Professor

**DEPARTMENT:**

Surgery

**DIVISION:**

Cardiothoracic Surgery

**RANK:** (Secondary appointment)

Professor

**DEPARTMENT:**

Biostatistics

**SCHOOL:**

Public Health

**BUSINESS ADDRESS:**

790 Lyons Harrison Research Building

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University of Alabama at Birmingham

Birmingham, Alabama 35294

**PHONE:**

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**EDUCATION:**

Auburn University

B.S.

1971

Mathematics major

Zoology and Physics minors

North Carolina State University

Master of Statistics

1974

University of Alabama  
at Birmingham

Ph.D. (Biostatistics)

1979

**ACADEMIC APPOINTMENTS:**

2007-2015

Cardiovascular Surgical  
Research ChairUniversity of Alabama  
at Birmingham

1995-2015	Professor of Surgery	University of Alabama at Birmingham
1995-2015	Professor of Biostatistics	University of Alabama at Birmingham
1986-1995	Associate Professor of Surgery	University of Alabama at Birmingham
1986-1995	Associate Professor of Biostatistics and Biomathematics	University of Alabama at Birmingham
1981-1986	Assistant Professor of Surgery	University of Alabama at Birmingham
1981-1986	Assistant Professor of Biostatistics	University of Alabama at Birmingham
1979-1981	Instructor, Division of Physical Therapy	University of Alabama at Birmingham
1975-1981	Research Associate Department of Biostatistics	University of Alabama at Birmingham
1974	Assistant Statistician Southeastern Cooperative Fish and Game Statistics Project Department of Statistics	North Carolina State University
1971-1974	Research Assistant Department of Statistics	North Carolina State University

#### **AWARDS/HONORS:**

Faculty Award, Division of Physical Therapy (UAB)	1979
Sparkman Center (UAB) Senior Lecturer	1988
UAB Cardiovascular Surgical Research Endowed Chair	2007

#### **PROFESSIONAL SOCIETIES:**

American Heart Association  
Biometric Society

American Statistical Association	
The Alabama Chapter of the American Statistical Association	
Secretary/Treasurer	1986-1987
President	1988-1989
International Society of Heart/Lung Transplantation	
Heart Failure Society of America	

### **COUNCILS AND COMMITTEES:**

American Statistical Association Advisory Committee for Continuing Education.	1987-1989
American College of Cardiology and American Heart Association Task Force on Guidelines and Indications for Coronary Artery Bypass Graft Surgery.	1989-1990
Advisory Committee on Analysis of Geographic Variations in Outcomes: Health Care Financing Administration.	1990-1992
Executive Committee of the Cardiac Transplant Research Database.	1990-
Consensus Panel of the Cooperative CABG Database Project.	1993-1995
Executive Committee of the Pediatric Heart Transplant Study.	1993-
Scientific Committee, Sulzer CarboMedics	1995-1996
Data Advisory Committee for the United Network of Organ Sharing	2000-2004
UNOS Independent Expert	
Panel on Statistical Methods: Analytic Methods (Chair)	2004
Scientific Committee, Acorn Inc.	2005-2006
FDA Circulatory Systems Devices Panel	2007-
FDA Medical Device Epidemiology Network	2009-
NIH PumpKIN Protocol Development Committee	2010-

### **EDITORIAL BOARD MEMBERSHIPS:**

The Alabama Journal of Medical Sciences	1986-1988
American Heart Journal	1996-2008
Journal of Cardiac Surgery (Statistical Consultant)	1997-2000
Journal of Thoracic and Cardiovascular Surgery (Statistical Consultant)	1998-2000
Journal of Heart and Lung Transplantation (Statistical Consultant)	1998-1999
Journal of Heart and Lung Transplantation (Associate Editor)	2000-2009

### **UNIVERSITY ACTIVITIES:**

Statistical Services Committee	
Department of Biostatistics and Biomathematics	1982
Recruitment Committee	
Department of Biostatistics and Biomathematics	1982
Search Committee for Assistant Professor	
Department of Epidemiology	1994

Committee for Biostatistics in the 21 <sup>st</sup> Century	1996-1997
Search Committee for Chair of Biostatistics	1997-1998
Advisory Committee for Department of Biostatistics	1997-
Search Committee for Chair of Biostatistics	2011

**GRANT REVIEWER:**

Agency for Health Care Policy and Research	1991-1992
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**GRANT SUPPORT:**

Meta-Analysis Literature Review and Pilot Study; Graduate School Faculty Research Grant, UAB; Co-Principal Investigator	1982
Enhancements to Computer Software for the Parametric Statistical Analysis of Survival Data; Health Care Policy Research Grant 89-1696; Principal Investigator	1989
Cardiac Transplant Research Database Annual Funding	1993-
Pediatric Heart Transplant Study Annual Funding	1995-
Low Birth Weight Patient Outcome Research Team Agency for Health Care Policy and Research; Statistical Consultant	1993-1996
Heterogeneity of Graft-Infiltrating T-cells in Cardiac Transplant Recipients American Heart Association; Participating Investigator	1994
Comparison of Cardiomyoplasty and Heart Transplantation Medtronic, Inc.	1996
Evaluation of CarboMedics Prosthetic Heart Valve Sulzer CarboMedics, Inc.	1996-2000
Quality of Life Outcomes $\geq$ 5 Years Post Heart Transplant NIH Grant #1362174823A1	2000-2005
Model Interventions to Increase Organ and Tissue Donation DHHS H39OT02500-01-00	2004-2006
Optimizing Outcomes After Pediatric Heart Transplantation NIH 5 P50 HL 074732-02	2005-2007

Cardiomyopathy Registry (PCMR) Data Merge NHLBI R01 HL53392	2005-2010
Interagency Registry for Mechanically Assisted Circulatory Support NIH Contract #HHSN268200548198C	2005-2010
Interagency Registry for Mechanically Assisted Circulatory Support NIH Contract #HHSN268201100025C	2010-

#### **PUBLISHED MANUSCRIPTS:**

1. Engelking LR, Barnes S, Dasher CA, Naftel DC, Hirschowitz BI. "Radiolabelled bile acid clearance in human control subjects and in patients with liver disease." *Clinical Science* 1979 (Vol. 57, pp.499-508)
2. Engelking LR, Dasher CA, Hirschowitz BI, Naftel DC. "Within-day fluctuations in serum bile acid concentration among normal control subjects and patients with hepatic disease." *American Journal Clinical Pathology* 1980 (Vol.73 pp.196-201)
3. Engelking LR, Barnes S, Hirschowitz BI, Dasher A, Spenney JG, Naftel DC. "Determination of pool size and synthesis rate of bile acid by measurement in blood of patients with liver disease." *Clinical Science* 1980 (Vol. 58, pp. 485-92).
4. Francis KT, Naftel DC. "Perceived sources of stress and coping strategies in physical therapy students." *Physical Therapy Educational Newsletter* 1982 (Vol. 25, pp. 5-7)
5. Treasure T, Naftel DC, Conger KA, Garcia JH, Kirklin JW, Blackstone EH. "The effect of hypothermic circulatory arrest time on cerebral function, morphology, and biochemistry: An experimental study." *Journal Thoracic Cardiovascular Surgery* 1983 (Vol. 86, pp. 761-70)
6. Francis KT, Naftel DC. "Perceived sources of stress and coping strategies in allied health students: A model." *Journal of Allied Health* 1983 (Vol. 12, pp. 262-72)
7. Smith MC, Naftel DC. "Meta-analysis: A perspective for research synthesis." *Image: The Journal of Nursing Scholarship* 1984 (Vol. 16, pp. 9-13)
8. Naftel DC. "Computers and statistics." *Journal of the Alabama Academy of Science* 1984 (Vol. 55, pp. 1-12)
9. Bradley DH, Bradley EL, Naftel DC. "A generalized Gompertz-Rayleigh model as a survival distribution." *Mathematical Biosciences* 1984 (Vol. 70, pp. 195-202)

10. Cleveland DC, Kirklin JK, Naftel DC, Kirklin JW, Blackstone EH, Pacifico AD, Barger LM. "Surgical treatment of tricuspid atresia." *Annals of Thoracic Surgery* 1984 (Vol. 38, pp. 447-57)
11. Stefanelli G, Kirklin JW, Naftel DC, Blackstone EH, Pacifico AD, Kirklin JK, Soto B, Barger LM. "Early and intermediate (10-year) results of surgery for univentricular atrioventricular connection ('single ventricle')." *American Journal Cardiology* 1984 (Vol. 54, pp. 311-321)
12. Louv WC, Naftel DC. "Teaching statistics in a third world country." *Teaching of Statistics in the Health Sciences* 1985 (Vol. 39, pp. 4-8)
13. McGiffin DC, Kirklin JK, Naftel DC. "Acute renal failure following cardiac transplantation with cyclosporine." *Heart Transplantation* 1985 (Vol. 4, pp. 396-9)
14. Pacifico AD, Naftel DC, Kirklin JW, Blackstone EH, Kirklin JK. "Ventricular septation within the spectrum of surgery for double inlet ventricles." *Journal of the Japanese Association for Thoracic Surgery (JJATS)* 1985 (Vol. 33, pp. 51-9)
15. Naftel DC, Francis K. "Determination of sample size." *Physical Therapy* 1986 (Vol. 66, pp. 104-8)
16. Kirklin JK, Chenoweth DE, Naftel DC, Blackstone EH, Kirklin JW, Bitran DD, Curd JG, Reves JG, Samuelson PN. "Effects of protamine administration after cardiopulmonary bypass on complement, blood elements, and the hemodynamic state." *Annals of Thoracic Surgery* 1986 (Vol. 41 pp. 193-9)
17. Blackstone EH, Naftel DC, Turner ME Jr. "The decomposition of time-varying hazard into phases, each incorporating a separate stream of concomitant information." *Journal American Statistical Association* 1986 (Vol. 81, pp. 615-24)
18. Naftel DC, Blackstone EH. "The analysis of survival data with concomitant information using parametric models: PROC HAZARD and PROC HAZPRED." SUGI 12:1116-1121. SAS Users' Group International Twelfth Annual Conference Proceedings, Dallas, Texas: SAS Institute, 1987.
19. Sand ME, Naftel DC, Blackstone EH, Kirklin JW, Karp RB. "A comparison of repair and replacement for mitral valve incompetence." *Journal Thoracic Cardiovascular Surgery* 1987 (Vol. 94, pp. 208-19)
20. Smith EEJ, Naftel DC, Blackstone EH, Kirklin JW. "Microvascular permeability after cardiopulmonary bypass: an experimental study." *Journal Thoracic Cardiovascular Surgery* 1987 (Vol. 94, pp. 225-33)

21. Zeiger HE, Zampella EJ, Naftel DC, McKay RD, Varner PD, Morawetz RB. "A prospective analysis of 142 carotid endarterectomies for occlusive vascular disease, 1979-1985." *Journal of Neurosurgery* Oct. 1987 (Vol. 67, no. 4, pp.540-544)
22. Kirklin JK, Naftel DC, McGiffin DC, McVay RF, Blackstone EH, Karp RB. "Analysis of morbid events and risk factors for death after cardiac transplantation." *Journal American College of Cardiology* 1988 (Vol. 11, pp. 917-24)
23. Diethelm AG, Blackstone EH, Naftel DC, Hudson SL, Barber WH, Deierhoi MH, Barger BO, Curtis JJ, Luke RG. "Important risk factors of allograft survival in cadaveric renal transplantation: A study of 426 patients." *Annals of Thoracic Surgery* 1988 (Vol. 207, pp. 538-48)
24. Kirklin JK, Naftel DC, Kirklin JW, Blackstone EH. "Risk factors for death and related events after cardiac transplantation." *Advances in Cardiology* 1988 (Vol. 36, pp. 278-92)
25. Digerness SB, Naftel DC, Kirklin JW, Blackstone EH, Kirklin JK, Samuelson PN. "Coronary and systemic vascular resistance during reperfusion after global myocardial ischemia." *Annals of Thoracic Surgery* Oct. 1988 (Vol. 46, pp. 447-54)
26. Kirklin JW, Naftel DC, Blackstone EH, Pohost GM. "Summary of a consensus concerning death and ischemic events after coronary artery bypass grafting." *Circulation* 1989 (Vol. 79, no. 1S, pp. S81-91)
27. Fernandez G, Costa F, Fontan F, Naftel DC, Blackstone EH, Kirklin JW. "Prevalence of reoperation for pathway obstruction after Fontan operation." *Annals of Thoracic Surgery* 1989 (Vol. 48, pp. 654-59)
28. Kirklin JK, Naftel DC, Blackstone EH, Kirklin JW, Brown RC. "Risk factors for mortality after primary combined valvular and coronary artery surgery." *Circulation* 1989 (Vol. 79, no. 1S, pp.S185-90)
29. Kirklin JK, Bourge RC, White-Williams C, Naftel DC, Thomas FT, Thomas JM, Phillips MG. "Prophylactic therapy for rejection following cardiac transplantation. A comparison of RATG and OKT3." *Journal of Thoracic and Cardiovascular Surgery* Apr. 1990 (pp.716-24)
30. Kirklin JK, Neves J, Naftel DC, Digerness SB, Kirklin JW, Blackstone EH. "Controlled initial hyperkalemic reperfusion after cardiac transplantation: Coronary vascular resistance and blood flow." *Annals of Thoracic Surgery* 1990 (Vol. 49, pp. 625-31)
31. Kirklin JW, Fernandez G, Fontan F, Naftel DC, Ebner A, Blackstone EH. "Therapeutic use of right atrial pressures early after the Fontan operation." *European Journal Cardio-thoracic Surgery* 1990 (Vol. 4, pp. 2-7)

32. Naftel DC. "Clinical data summary of the CarboMedics prosthetic heart valve." *Proceedings of the Second International Clinical Symposium*. Silent Partners, Inc. publishers, Austin, Texas. 1990.
33. Fontan F, Kirklin JW, Fernandez G, Costa F, Naftel DC, Tritto F, Blackstone EH. "Outcome after a 'perfect' Fontan operation." *Circulation* 1990 (Vol. 81, pp.1520-36)
34. Bourge RC, Kirklin JK, Naftel DC, Figg WD, White-Williams C, Ketchum C. "Diltiazem-Cyclosporine interaction in cardiac transplant patients: Impact on cyclosporine dose and medication costs." *The American Journal of Medicine* 1991 (Vol. 90, pp. 402-4)
35. Kirklin JW, Frye RL, Blackstone EH, Naftel DC. "Some comments on the indications for the coronary artery bypass graft operation." *International Journal Cardiology* 1991 (Vol. 31, pp. 23-30)
36. Pierce JD, Piazza D, Naftel DC. Effects of two chest tube clearance protocols on drainage in patients after myocardial revascularization surgery: *Journal of Heart and Lung Transplantation* 1991 (Vol. 20, pp. 125-30)
37. Kirklin JW, et al (ACC/AHA Task Force Subcommittee on Coronary Artery Bypass Graft Surgery). "Guidelines and Indications for the coronary artery bypass graft operation." *Journal of American College of Cardiology* 1991 (Vol. 17, pp. 543-89) and *Circulation* 1991 (Vol. 83, pp. 1125-73)
38. Fan P, Kirklin JK, Naftel DC, Bourge RC, Nanda NC, Hsiung MC, Williams CW, Smith S. "Application of echocardiographic color flow doppler mitral regurgitation to the diagnosis of acute cardiac transplant rejection." *Echocardiology* 1992 (Vol. 9, no. 2, pp. 169-74)
39. Bourge RC, Kirklin JK, Ketchum C, Naftel DC, Mason DA, Siegel AL, Scott JW, White-Williams C. "Cyclosporine blood monitoring after heart transplantation: a prospective comparison of monoclonal and polyclonal radioimmunoassays." *Journal of Heart and Lung Transplantation* 1992 (Vol. 11, pp. 522-9)
40. Crawford ES, Kirklin JW, Naftel DC, Svensson LG, Coselli JS, Safi HJ. "Surgery for acute dissection of ascending aorta." *Thoracic Cardiac Surgery* 1992 (Vol.104, no.1, pp. 46-59)
41. Salter MM, Kirklin JK, Bourge RC, Naftel DC, White-Williams C, Tarkka M, Waits E, Bucy RP. "Total lymphoid irradiation in the treatment of early or recurrent heart rejection." *Journal of Heart and Lung Transplantation* 1992 (Vol. 11, pp. 902-12)

42. Naftel DC. "Survival analysis methods for treatment effectiveness research." *Medical Effectiveness Research Data Methods AHCPR* Pub. No. 92-0056:137-150, July 1992.
43. Bourge RC, Kirklin JK, White-Williams C, Naftel DC, George JF, Morrow R, Tarkka M, Welborn JM. "Methotrexate pulse therapy in the treatment of recurrent acute heart rejection." *Journal of Heart and Lung Transplantation* 1992 (Vol. 11, pp. 1116-24)
44. Naftel DC. "Clinical data summary of the CarboMedics valve." *Proceedings of the Third International Clinical Symposium*. Silent Partners, Inc. publishers, Austin, Texas 1992.
45. Walters III HL, Digerness SB, Naftel DC, Waggoner III JR, Blackstone EH, Kirklin JW. "The response to ischemia in blood perfused vs. crystalloid perfused isolated rat heart preparations." *Journal of Molecular and Cellular Cardiology* 1992 (Vol. 24, pp. 1063-77)
46. Fontan F, Madonna F, Naftel DC, Kirklin JW, Blackstone EH, Digerness S. "Modifying myocardial management in cardiac surgery: A randomized trial." *European Journal Cardio-thoracic Surgery* 1992 (Vol. 6, pp. 127-37)
47. Kirklin JK, Naftel DC, Bourge RC, White-Williams C, Caulfield JB, Tarkka MR, Holman WL, Zorn GL, Jr. "Rejection after cardiac transplantation: A time related risk factor analysis." *Circulation* 1992 (Vol. 86, no. 5S, pp. S236-41)
48. Kobashigawa JA, Naftel DC, Bourge RC, Kirklin JK, Ventura HO, Mohanty PK, Cintron GB, Bhat G, The transplant cardiologist research database group. "Pre-transplant risk factors for acute rejection after cardiac transplantation: A multi-institutional study." *Journal of Heart and Lung Transplantation* 1993 (Vol. 12, pp. 355-66)
49. Kirklin JK, Smith DC, Novick W, Naftel DC, Kirklin JW, Pacifico AD, Phillips SJ, Nanda NC, Helmcke FR, Bourge RC. "Long term function of cryopreserved aortic homografts: A ten year study." *Journal of Thoracic and Cardiovascular Surgery* 1993 (Vol.106, pp. 154-66)
50. Bourge RC, Naftel DC, Costanzo-Nordin M, Kirklin JK, Young JB, Kubo SH, Olivari MT, Kasper EK, The transplant cardiologist research database group. "Pre-transplant risk factors for death after cardiac transplantation: A multi-institutional study." *Journal of Heart and Lung Transplantation* 1993 (Vol. 12, pp. 549-62)
51. Kirklin JK, George JF, McGiffin DC, Naftel DC, Salter MM and Bourge RC. "TLI: Is there a role in pediatric heart transplantation?" *Journal of Heart and Lung Transplantation* 1993 (Vol. 12, pp. S293-300)

52. Gleysteen JJ, Bandyk DF, Hussey CV and Naftel DC. "Perioperative coagulation changes with gastric bypass: Association with venous thrombosis?" *Obesity Surgery* 1993 (Vol. 3, pp. 7-14)
53. Grunkemeier GL, Johnson D, Naftel DC. "Sample Size requirements for studying heart valves with constant risk events." *Journal of Heart Valve Disease* 1994 (Vol. 5, no.1, pp. 53-8)
54. Miller LW, Naftel DC, Bourge RC, Kirklin JK, Brozena SC, Jarcho J, Hobbs RE, Mills RM, The Transplant Cardiologist Research Database Group. "Infection following cardiac transplantation: A multi-institutional analysis." *Journal of Heart and Lung Transplantation* 1994 (Vol. 13, no. 3, pp. 381-93)
55. Young JB, Naftel DC, Bourge RC, Kirklin JK, Clemson BS, Porter CB, Rodeheffer RJ, Kenzora JL and The Cardiac Transplant Research Database Group. "Matching the heart donor and cardiac transplant recipient: Clues for successful expansion of the donor pool." *Journal of Heart and Lung Transplantation* 1994 (Vol. 13, no. 3, pp. 353-65)
56. Kirklin JK, Naftel DC, Levine TB, Bourge RC, Pelletier GB, O'Donnell J, Miller LW, Pritzker MR and The Cardiac Transplant Research Database Group. "Cytomegalovirus after heart transplantation. Risk factors for infection and death: A multi-institutional study." *Journal of Heart and Lung Transplantation* 1994 (Vol. 13, no. 3, pp. 394-404)
57. Kirklin JK, Morrow WR, Deierhoi MH, Naftel DC, Bourge RC, Kauffman RS, White-Williams C, Nomberg RI, Holman WL, Smith DC. "Treatment of recurrent cardiac rejection with mycophenolate mofetil (RS-61443): Initial clinical experience." *Journal of Heart and Lung Transplantation* 1994 (Vol. 13, no. 3, pp. 444-50)
58. Jarcho J, Naftel DC, Shroyer TW, Kirklin JK, Bourge RC, Barr ML, Pitts DG, Starling RC and the Transplant Cardiologists Research Database (TCRD) Group. "Does HLA mismatch affect the incidence of rejection after cardiac transplantation: A multi-institutional study." *Journal of Heart and Lung Transplantation* 1994 (Vol. 13, no. 4, pp. 583-96)
59. McGiffin DC, Savunen T, Kirklin JK, Naftel DC, Bourge RC, Paine TD, White-Williams C, Sisto T, Early LJ. "Cardiac transplant coronary artery disease: A multivariable analysis of disease development and morbid events." *Journal of Thoracic Cardiovascular Surgery* Jun. 1995 (Vol. 108, no. 6, pp. 1081-89)
60. Kubo SH, Naftel DC, Mills RM, O'Donnell J, Rodeheffer RJ, Vijay RR, Kenzora JL, Bourge RC, Kirklin JK and the Cardiac Transplant Research Database Group. "Who is at risk for late recurrent rejection after cardiac transplantation? A multi-institutional, multivariable analysis." *Journal of Heart and Lung Transplantation* 1995 (Vol. 14, no. 3, pp. 409-18)

61. George JF, Kirklin JK, Shroyer TW, Naftel DC, Bourge RC, McGiffin DC, White-Williams C. "Utility of post-transplantation panel-reactive antibody measurements for the prediction of rejection frequency and survival of heart transplant recipients." *Journal of Heart and Lung Transplantation* 1995 (Vol. 14, pp.856-64)
62. Smart FH, Naftel DC, Costanzo-Nordin M, Levine TB, Pelletier GB, Yancy CW, Hobbs RE, Kirklin JK, Bourge RC and The Cardiac Transplant Research Database Group. "Multi-institutional risk factors for infection after heart transplantation." *Journal of Heart and Lung Transplantation* 1996 (Vol. 15, no. 4, pp. 329-41)
63. Rodeheffer R, Naftel D, Warner-Stevenson L, Porter C, Young J, Miller L, Kenzora J, Haas G, Kirklin J, Bourge R, and The Cardiac Transplant Research Database Group. "Changing patterns in recipient and donor management in cardiac transplantation." *Circulation* 1996 (Vol. 94, no. 11, pp. 2883-9)
64. Brozena SC, Johnson MR, Ventura HO, Naftel DC and The Cardiac Transplant Research Database Group. "Effectiveness of Diltiazem or Lisinopril for treatment of hypertension in cardiac transplant patients." *JACC* 1996 (Vol. 27, no. 7, pp.1707-12)
65. Shaddy R, Naftel D, Gerard B, McGiffin D, Towbin J, Ring S, Pearce B, Addonizio L, Kirklin J, Morrow W, and the Pediatric Heart Transplant Study Group. "Outcome of cardiac transplantation in children: Survival in a contemporary multi-institutional experience." *Circulation* 1996 (Vol. 94, no.S9, pp. S69-73)
66. McGiffin D, Kirklin J, Naftel DC, Bourge R. "Competing outcomes after cardiac transplantation: A comparison of eras and outcomes." *Journal of Heart and Lung Transplantation* 1997 (Vol. 16, pp. 190-8)
67. McGiffin DC, Galbraith AJ, O'Brien MF, McLachlan GJ, Naftel DC, Adams P, Comm B, Reddy S, Early L. "An analysis of valve re-replacement following aortic valve replacement with biological devices." *Journal of Thoracic Cardiovascular Surgery* 1997 (Vol. 113, pp. 311-18)
68. McGiffin DC, Naftel DC, Kirklin JK. "Patient-specific predictions for clinical decision making." *Australian and New Zealand Journal of Surgery* 1997 (Vol. 67, pp.108-14)
69. Johnson M, Naftel DC, Hobbs R, Kobashigawa J, Pitts D, Levine T, Tolman D, Bhat G, Kirklin J, Bourge R, and The Cardiac Transplant Research Database Group. "The incremental risk of female gender in cardiac transplantation: A multi-institutional study of pregnancy and peripartum cardiomyopathy." *Journal of Heart and Lung Transplantation* 1997 (Vol. 16, pp. 801-12)
70. McGiffin D, Naftel D, Kirklin J, Towbin J, Shaddy R, Alejos J, Rossi A, and the Pediatric Heart Transplant Study Group. "Predicting outcome following listing for

cardiac transplantation in children: Comparison of Kaplan-Meier and parametric competing risk analysis." *Journal of Heart and Lung Transplantation* 1997 (Vol. 16, pp. 713-22)

71. Mills R, Naftel DC, Kirklin J, Van Bakel A, Jaski B, Massin E, Eisen H, Lee F, Fishbein D, Bourge R, and The Cardiac Transplant Research Database Group. "Cardiac transplant rejection with hemodynamic compromise: A multi-institutional study of risk factors and endomyocardial cellular infiltrate." *Journal of Heart and Lung Transplantation* 1997 (Vol. 16, pp. 813-21)
72. Morrow R, Naftel D, Chinnock R, Canter C, Boucek M, Zales V, McGiffin D, Kirklin JK, and the Pediatric Heart Transplant Study Group. "Outcome of listing for cardiac transplantation in infants (age <6mos): Predictors of death & interval to transplant." *Journal of Heart and Lung Transplantation* 1997 (Vol. 16, pp. 1255-66)
73. Schowengerdt K, Naftel D, Seib P, Pearce B, Addonizio L, Kirklin J, Morrow W, and the Pediatric Heart Transplant Study Group. "Infection after pediatric heart transplantation: A multi-institutional, multivariable analysis." *Journal of Heart and Lung Transplantation* 1997 (Vol. 16, pp. 1207-16)
74. Canter C, Naftel D, Caldwell R, Chinnock R, Pahl E, Fraizier E, Kirklin J, Boucek M, Morrow R, and the Pediatric Heart Transplant Study Group. "Survival and risk factors for death after cardiac transplantation in infants: A multi-institutional study." *Circulation* 1997 (Vol. 96, pp. 227-31)
75. Bourge RC, Kirklin JK, Naftel DC, McGiffin DC. „Predicting outcomes after cardiac transplantations: Lessons from the Cardiac Transplant Research Database." *Current Opinion in Cardiology* 1997 (Vol. 12, pp. 136-45)
76. Naftel D, Kirklin JK, McGiffin D. "Methodology for and results of competing outcomes analysis in pediatric patients awaiting heart transplantation." American Statistical Association 157th Annual Meeting 1997 (pp. 165)
77. Kirklin JW, Blackstone EH, Naftel DC, Turner ME. "Influence of study goals on study design and execution." *Controlled Clinical Trials* 1997 (Vol. 18, pp. 488-93)
78. McGiffin DC, Naftel DC, Kiirklin JK. "Depicting time-related events after cardiac surgery: Kaplan-Meier competing risk?" *Asia Pacific Heart-Journal* 1998 (Vol. 7, no. 2, pp. 98-102)
79. McGiffin DC, Naftel DC, Spann JL, Kirklin JK, Young JB, Bourge RC, Mil, Jr. RM. "Risk of death or incapacitation after heart transplantation, with particular reference to pilots." *Journal of Heart and Lung Transplantation* 1998 (Vol. 17, pp. 497-504)
80. Costanzo MR, Naftel DC, Pritzker MR, Heilman JK, III, Boehmer JP, Brozena SC, Dec GW, Ventura HO, Kirklin JK, Bourge RC, Miller LM. "Heart transplant coronary

artery disease detected by angiography: A multi-institutional study." *Journal of Heart and Lung Transplantation* 1998 (Vol. 17, pp. 744-53)

81. McGiffin MD, Naftel DC, Kirklin JK, and Bourge RC. "Advancing knowledge in cardiac transplantation and the place of outcomes analysis." *Current Opinion in Organ Transplantation* 1998 (Vol. 3, pp. 44-50)
82. Cerfolio RJ, Tummala RP, Holman WL, Zorn GL, Kirklin JK, Naftel DC and Pacifico AP. "A prospective algorithm for the management of air leaks after pulmonary resection." *The Annals of Thoracic Surgery* Nov. 1998 (Vol. 66, pp. 1726-30)
83. Kirsch M, Baufreton C, Naftel DC, Benvenuti C, Loisanse DY. "Pretransplantation risk factors for death after heart transplantation: The Henri Mondor experience." *Journal of Heart and Lung Transplantation* 1998 (Vol. 17, pp. 268-77)
84. Boucek RJ, Naftel D, Boucek MM, Chinnock R, Morrow RW, Pahl E, DiSano S, and The Pediatric Heart Transplant Study Group. "Induction immunotherapy in pediatric heart transplant recipients: A multicenter study." *Journal of Heart and Lung Transplantation* 1999 (Vol. 18, pp. 460-69)
85. Grady KL, White-Williams C, Naftel D, Costanzo MR, Pitts D, Rayburn B, VanBakel A, Jaski B, Bourge R, Kirklin JK, and The Cardiac Transplant Research Database (CTRD) Group. "Are preoperative obesity and cachexia risk factors for post heart transplant morbidity and mortality: A multi-institutional study of preoperative weight-height indices." *Journal of Heart and Lung Transplantation* 1999 (Vol. 18, pp. 750-63)
86. Grunkemeier GL, Hui-Hua L, Naftel DC, Starr A, Rahimtoola SH. *Current problems in cardiology: Long-term performance of heart valve prostheses*. Mosby, Inc. publishers, St. Louis, Montana 2000.
87. Morrow RW, Frazier E, Naftel DC. "Survival after listing for cardiac transplantation in children." *Progress in Pediatric Cardiology* 2000 (Vol. 11, pp. 99-105)
88. Jaski BE, Kim JC, Naftel DC, Jarcho J, Costanzo MR, Eisen HJ, Kirklin JK, Bourge RC for the Cardiac Transplant Research Database. "Cardiac transplant outcome of patients supported on left ventricular assist device vs intravenous inotropic therapy." *Journal of Heart and Lung Transplantation* Apr. 2000 (Vol. 19, pp. 449-56)
89. Pahl E, Naftel DC, Canter CE, Frazier EA, Kirklin JK, Morrow WR and the Pediatric Heart Transplant Study. "Death after rejection with severe hemodynamic compromise in pediatric heart transplant recipients: A multi-institutional study." *Journal of Heart and Lung Transplantation* Mar. 2001 (Vol. 20, no. 3, pp. 279-87)

90. Kirklin JK, Bourge RC, Naftel DC, McGiffin DC. "Is there a need for surveillance endomyocardial biopsies in heart transplantation?" *Transplantation Proceedings* 2002 (Vol. 34, pp. 1857-9)
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146. Castleberry C, White-Williams C, Naftel D, Tresler M, Miyamoto S, Ainley K, Murphy D, Spicer R, Palm G, Bannister L, Schowengerdt K, Gilmore L, Kaufman B, Zangwill S. "Hypoalbuminemia and poor growth predict worse outcomes post heart transplant in children." Presented at: International Society for Heart and Lung Transplantation Annual Scientific Sessions, Apr. 2011; San Diego, CA
147. Jeewa A, Chin C, Pahl E, Atz A, Carboni M, Tresler M, Naftel D, Rodriguez R, Allen-Rooney T, Dipchand A. "Outcomes after percutaneous coronary artery revascularization procedures for allograft vasculopathy in pediatric heart transplant

recipients: A multi-institutional experience.” Presented at: International Pediatric Transplant Association 6<sup>th</sup> Congress, Jun. 2011; Montreal, QC

148. Conway J, Chin C, Kemma M, Burch M, Barnes A, Tresler M, Scheel J, Naftel D, Beddow K, Allain-Rooney T, Dipchand A. “Donor characteristics and impact on outcomes in pediatric heart transplant recipients.” Presented at: International Pediatric Transplant Association 6<sup>th</sup> Congress, Jun. 2011; Montreal, QC
149. Castleberry C, White-Williams C, Naftel D, Tresler M, Miyamoto S, Ainley K, Murphy D, Spicer R, Palm G, Bannister L, Schowengerdt K, Gilmore L, Kaufman B, Zangwill S. “Hypoalbuminemia and poor growth predict worse outcomes post heart transplant in children.” Presented at: International Pediatric Transplant Association 6<sup>th</sup> Congress, Jun. 2011; Montreal, QC
150. Everitt M, Boyle G, Schechtman K, Zheng J, Kaza A, Bullock E, Dipchand A, Naftel D, Kirklin J, Canter C. “Heart transplant after failed single ventricle palliation in young infants carries excess mortality risk: A multi institutional study.” Presented at: American Heart Association Scientific Sessions, Nov. 2011; Orlando, FL
151. Dipchand A, Mahle W, Tresler M, Naftel D, Kirklin J, Webber S. “ECMO as a bridge to pediatric heart transplantation: Impact on post-listing and post-transplantation outcomes.” Presented at: American Heart Association Scientific Sessions, Nov. 2011; Orlando, FL
152. Conway J, Chrisant M, West L, Alejos J, Das B, Gilbert D, Lamour J, Ameduri R, Tresler M, Naftel D, Miyamoto S. “Outcome of fetal listing for heart transplantation.” Presented at: American Heart Association Scientific Sessions, Nov. 2011; Orlando, FL
153. Teuteberg J, Stewart G, Jessup M, Kormos R, Sun B, Frazier OH, Naftel D, Stevenson L. “3 Implant strategies for continuous flow LVAD therapy in INTERMACS - Impact on outcome and variability over time.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, pp. S10-S11)
154. Kiernan M, Pham DT, Kapur N, Kirklin J, Kormos R, Pagani F, Naftel D, DeNofrio D. “Severe right ventricular failure in patients with continuous-flow left ventricular assist devices: Incidence and risk factors from INTERMACS.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, pp. S110-S111)
155. Naftel D, Kirklin J, Myers S, Clark M, Hollifield K, Collum C, Miller M. “Can a registry match the data quality of a clinical trial? Lessons learned from INTERMACS.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, pg. S261)
156. Oliveira G, Dupont M, Naftel D, Yuan Y, Myers S, Schmuhl D, Mountis M, Smedira N, Wilson-Tang WH, Gonzalez-Stawinski G, Taylor D, Starling R. “Outcomes of patients with Anthracycline cardiomyopathy treated with mechanical circulatory

support: Data from the INTERMACS registry.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, p. S46)

157. Wissman S, Grady K, Naftel D, Myers S, Kirklin J, Moskowitz A, Gelijns A, Pagani F, Young J. “26 Predictors of health related quality of life at 6 months after LVAD implantation: Findings from INTERMACS.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, p. S18)
158. Grady K, Naftel D, Stevenson L, Dew MA, Weidner G, Pagani F, Kirklin J, Myers S, Baldwin T, Shah M, Young J. “Improvement in quality of life after ventricular assist device implant is similar, regardless of baseline severity of heart failure.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, pp. S18-S19)
159. Holman W, Naftel D, Eckert C, Kormos R, Goldstein D, Yuan Y, Kirklin J. “Durability of left ventricular assist devices (LVADS): INTERMACS 2006-2011.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, pp. S133-S134)
160. Goldstein D, Holman W, Moazami N, John R, Naftel DC, Pagani F. “Impact of malnutrition on early outcomes following implantation of continuous flow left ventricular assist devices.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, pg. S87)
161. Cotts W, Grady K, McGee E, Naftel D, Young J, Kirklin J, Pagani F. “Predictors of hospital length of stay following implantation of a left ventricular assist device: An analysis of the INTERMACS registry.” *Journal of Heart and Lung Transplantation* 2012 (Vol. 31, no. 4S, p. S23)
162. White-Williams C, Grady K, Myers S, Naftel D, Wang E, Bourge R, Rybarczyk B, “The relationships among satisfaction with social support, quality of life, and survival 5 to 10 years after heart transplantation.” 2012
163. Pagani F, Stevenson LW, Kirklin J, Naftel D, Kormos R, Young J. “Influence of patient profiles on outcomes with implantable mechanical circulatory support (MCS): Results from the interagency registry for mechanically assisted circulatory support (INTERMACS).”
164. Dupont M, Oliveira G, Naftel D, Yuan Y, Myers S, Gonzalez-Stawinski G, Starling R. “Anthracycline-induced cardiomyopathy patients treated with ventricular assist devices frequently need biventricular support: Data from the INTERMACS registry.” *Circulation* (Vol. 124, no. 21, p. 530)
165. Morales D, Lowry A, Epstein D, Rosenthal D, Chen J, Almond C, Wearden P, Naftel D, Kirklin J, Blume E. “Outcomes of children implanted with ventricular assist devices in the United States: Analysis of the Interagency Registry for Mechanical Circulatory Support (INTERMACS).” *Circulation*

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167. Schumacher K, Kirk R, Almond C, Singh T, Spicer R, Hoffman T, Hsu D, Canter C, Naftel D, Tresler M, Zamberlan M, Gajarski R. "Predicting 1-year survival in pediatric heart transplant candidates with congenital heart disease: An analysis of the PHTS database." Presented at: International Society for Heart and Lung Transplantation Annual Scientific Sessions, Apr. 2012; Prague, CZ
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169. Gossett J, Almond C, Kirk R, Zangwill S, Richmond M, Kantor P, Tresler M, Lenderman S, Naftel D, Matthews K, Pahl E. "Outcomes of cardiac transplantation in single ventricle patients with plastic bronchitis – A multi-center report." Presented at: International Society for Heart and Lung Transplantation Annual Scientific Sessions, Apr. 2012; Prague, CZ
170. Kindel S, Chin C, Law Y, Burch M, Kirklin J, Naftel D, Carboni M, Arens A, Atz A, Dreyer J, Pahl E. "Cardiac Allograft Vasculopathy (CAV) in children: An 18 year Pediatric Heart Transplant Study (PHTS) analysis in 3120 patients." Presented at: International Society for Heart and Lung Transplantation Annual Scientific Sessions, Apr. 2012; Prague, CZ
171. Dipchand A, Naftel D, Tresler M, Blume E, Kirk R, Morrow W, Auerbach S, Richmond M, Rosenthal D, Kirklin J. "Ventricular Assist Device (VAD) support as a bridge to pediatric heart transplantation: A practice in rapid evolution." Presented at: American Heart Association Scientific Sessions, Nov. 2012; Los Angeles, CA
172. Shah M, Naftel D, Miller M, Baldwin J, Feller E, Desai S, John R, Kormos R, Holman W. "Thrombotic complications increase after percutaneous site/pocket infection in patients with left ventricular assist devices: An INTERMACS analysis." *Journal of Heart and Lung Transplantation* Apr. 2013 (Vol. 32, no. 4S, p. S37)
173. Kirklin J, Naftel D, Kormos R, Pagani F, Young J, Myers S, Stevenson L. "Quantifying the cardiorenal syndrome and its effect on mortality after LVAD implant: An analysis of 4,917 patients from INTERMACS." *Journal of Heart and Lung Transplantation* Apr. 2013 (Vol. 32, no. 4S, p. S133)

174. Richmond M, Law Y, Das B, Everitt M, Kukreja M, Naftel D, Kemna M, Henderson H, Beddows K, Fricker J, Mahle W. "Elevated pre-transplant pulmonary vascular resistance is not associated with mortality in children without congenital heart disease: A multi-center study." Presented at: International Society for Heart and Lung Transplantation Annual Scientific Sessions, Apr. 2013; Montreal, QC
175. Rossano J, Jefferies J, Pahl E, Naftel D, Pruitt E, Lupton K, Dreyer W, Chinnock R, Boyle G, Mahle W. "Use of Sirolimus in pediatric heart transplant patients: A multi-institutional study from the pediatric heart transplant study group." Presented at: American Heart Association Scientific Sessions, Nov. 2013; Dallas, TX
176. Schumacher K, Zamberlan M, Naftel D, Pruitt E, Carboni M, Guleserian K, Dodd D, Gossett J, Lamour J, Pophal S, Gajarski R. "Fontan-associated protein losing enteropathy and heart transplant: A Pediatric Heart Transplant Study analysis. Presented at: International Society for Heart and Lung Transplantation Annual Scientific Sessions, Apr. 2014; San Diego, CA
177. Grady K, Naftel D, Myers S, Dew M, Weidner G, Idrissi K, Lee H, McGee E Jr, Kirklin J. "Change in health-related quality of life from before to after destination therapy mechanical circulatory support is similar for older and younger patients: Analyses from INTERMACS." *Journal of Heart and Lung Transplantation* Apr. 2014 (Vol. 33, no. 4S, p. S89)
178. Krim S, Vivo R, Campbell P, Naftel D, Estep J, Fonarow G, Ventura H. "Regional differences in utilization and outcomes of left ventricular assist devices: Insight from the INTERMACS registry." *Journal of Heart and Lung Transplantation* Apr. 2014 (Vol. 33, no. 4S, pp. S72-3)
179. Pamboukian S, Baddley J, Kirklin J, Cantor R, Naftel D, Miller J, Teuteberg J. "Outcomes of mechanical circulatory support in HIV infected patients from the INTERMACS registry." *Journal of Heart and Lung Transplantation* Apr. 2014 (Vol. 33, no. 4S, p. S74)
180. Song H, Mudd J, Gelow J, Chien C, Tibayan F, Hollifield K, Naftel D, Kirklin J. "Utility of tricuspid valve repair at the time of left ventricular assist device implantation." *Journal of Heart and Lung Transplantation* Apr. 2014 (Vol. 33, no. 4S, pp. S37-8)
181. Simpson KE, Kirklin JK, Naftel DC, Pruitt E, Singh R, Edens RE, Barnes AP, Canter CE. "Survival of Fontan patients after heart transplant; Has survival improved in the current era?" *American Heart Association* Nov. 2014
182. Blume E, Rosenthal D, Rossano J, Baldwin J, Eghtesady P, Morales D, Cantor R, Conway J, Almond C, Naftel D, Kirklin J. "The outcomes of children implanted with ventricular assist devices in the US: First analysis of the Pediatric Interagency

Registry for Mechanical Circulatory Support (PediMACS).” *Circulation* 2014 (130: A11760)

183. Cantor R, Pamboukian S, Tallaj J, Naftel D, Kirklin J. “Characteristics and outcomes in patients receiving mechanical circulatory support with a history of diabetes.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, p. S25)
184. Acharya D, Loyaga-Rendon R, Tallaj J, Pamboukian S, Holman W, George J, Cantor R, Naftel D, Kirklin J. “Ventricular assist device in acute myocardial infarction-findings from INTERMACS.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, pp.S28-9)
185. Grady K, Naftel D, Myers S, Kirklin J. “Pre and post operative factors relate to change in health-related quality of life from before to 6 months following LVAD implantation: An INTERMACS analysis.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, p. S75)
186. Wissman S, Naftel D, Myers S, Kirklin J, Gelijns A, Moskowitz A, Young J, Grady K. “Health-related quality of life improves dramatically from pre-implant to post implant (6 months) for continuous flow LVAD patients in INTERMACS.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, pp. S75-6)
187. Pamboukian S, Pagani F, Naftel D, Myers S, Hollifield K, Kirklin J. “Factors influencing gains in six minute walk distance after continuous flow ventricular assist device placement.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, p. S76)
188. Loyaga-Rendon R, Starling R, Cantor R, Pamboukian S, Tallaj J, Acharya D, Naftel D, Kirklin J. “Duration of heart failure influences the outcomes after mechanical circulatory support.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, pp. S80-1)
189. Naftel D, Pagani F, Miller M, Young J, Myers S, Kirklin J. “Device implant strategy and patient characteristics have a profound impact on early, mid, and late outcomes after MCS implant.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, pp. S81-2)
190. Rosenthal D, Almond C, Jacquiss R, Peyton C, Auerbach S, Morales D, Epstein D, Cantor R, Kormos R, Naftel D, Butts R, Ghanayem N, Kirklin J, Blume E. “Adverse events in children implanted with ventricular assist devices in the US: Data from the Pediatric Interagency Registry for Mechanical Circulatory Support (PediMACS).” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, pp. S101-2)
191. Rossano J, Lorts A, VanderPluym C, Jeewa A, Guleserian K, Bleiweis M, Reinhartz O, Blume E, Rosenthal D, Naftel D, Cantor R, Kirklin J. “Utilization and outcomes of continuous-flow ventricular assist devices in pediatric patients: A report from the

Pediatric Interagency Registry for Mechanical Circulatory Support (Pedimacs).” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, p. S102)

192. Lee S, Young J, Naftel D, Kirklin J, Moazami N, Myers S, Strueber M, Dickinson M, Starling R. “Impact of concomitant cardiovascular surgeries at the time of CF-LVAD implantation: An INTERMACS analysis.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, pp. S153-4)
193. Robertson O, Naftel D, Myers S, Tedford R, Joseph S, Kirklin J, Silvestry S. “Concomitant mitral valve procedures in patients undergoing implantation of continuous-flow LVADs: An INTERMACS database analysis.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, p. S166)
194. Goldstein D, Patel S, Myers S, Naftel D, Kirklin J. “Continuous flow LVAD support in restrictive and obstructive cardiomyopathies: An INTERMACS registry report.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, p. S190)
195. Pamboukian S, Pagani F, Naftel D, Myers S, Hollifield K, Kirklin J. “Improvements in six minute walk distance after continuous flow ventricular assist device placement: Comparison of pre-implant ambulatory and non-ambulatory patients.” *Journal of Heart and Lung Transplantation* Apr. 2015 (Vol. 34, no. 4S, pp. S333-4)
196. Grady K, Jones P, Andrei A, Naftel D, Myers S, Dew, M, Idrissi, K, Weidner G, Wissman S, Kirklin J, Spertus J. “Approaches to missing data due to illness severity in health-related quality of life assessment.” *Circulation: Cardiovascular Quality and Outcomes* 2015 (Vol. 8, p. 277)

## **ORAL PRESENTATIONS:**

### **Scientific Papers Presented At National And International Meetings**

1. The analysis of survival data with concomitant information using parametric models: PROC HAZARD and PROC HAZPRED: SAS Users’ Group International Twelfth Annual Conference: Dallas, Texas: May 1987.
2. Clinical data summary of the CarboMedics valve; Second International CarboMedics Clinical Symposium; Toronto, Canada, May 6, 1990.
3. Survival analysis methods for treatment effectiveness research; Medical Effectiveness Research Data Methods Conference (Agency for Health Care Policy and Research); Minneapolis, Minnesota; September, 1991.
4. Clinical data summary of the CarboMedics valve; Third International CarboMedics Clinical Symposium; London, England; September 22, 1991.

5. The analysis of repeated events(rejection, infection) after cardiac transplantation; Annual Meeting of the American Statistical Association; San Francisco, California: August 1993
6. Outcomes research in cardiac transplantation: The use of data-derived, patient-specific, equations to predict post transplant time-related events: Annual Meeting of the American Society of Transplant Physicians; Chicago, Illinois; May 15, 1995.
7. Assessing Results after Valve Surgery, Invited lecture at Conference on Results after Mechanical Prosthetic Valve Implant, Poitiers, France, June 1995.
8. Methodology for, and the Results of, Comparisons of Late Rates of Thromboembolism, Thrombosis and Hemorrhage for the CarboMedics, Medtronic-Hall and St. Jude Medical Valves; Fifth International CarboMedics Clinical Symposium, San Diego, California, April 1996.
9. Modeling to Predict Outcomes, Invited lecture at the annual meeting of the International Society for Heart and Lung Transplantation, Chicago, Illinois, April 18, 1998.
10. Comparison of Bileaflet Valves, Invited lecture at the Annual meeting of the American Association of Thoracic Surgeons, Boston, Massachusetts, May 3, 1998.
11. The Art and Science of Multi-Institutional Databases: Invited lecture at the Annual Meeting of ISHLT, Washington D.C., April, 2002.
12. FDA: Harmonization by Doing Working Group 2 Meeting, INTERMACS, Overview and Current Status, Washington, D.C., October 2006
13. FDA: Harmonization by Doing Think Tank West Meeting, Academic View – INTERMACS, Durham, North Carolina, January 2007
14. INTERMACS: A Study in Collaboration Among Federal, Clinical, Academic and Private Partners, First Annual NHLBI Community Forum on Data Standards and Terminology, Bethesda, Maryland, May 2007
15. The Use of the Interagency for Mechanically Assisted Circulatory Support (INTERMACS) to Generate Objective Performance Criteria (OPCs) for Use in MCSD Trials, International Society of Heart and Lung Transplantation, 28<sup>th</sup> Annual Meeting and Scientific Sessions, Boston, Massachusetts, April 2008
16. Pediatric Heart Transplantation: 14 Years of Improving Results Illustrated by Patient Specific Predictions, International Society of Heart and Lung Transplantation, 28<sup>th</sup> Annual Meeting and Scientific Sessions, Boston, Massachusetts, April 2008

17. Device Trials: Why the Data Should and Should Not be Pooled, Joint Statistical Meetings, Salt Lake City, UT, August 2008
18. The Biostatistician's Perspective on Woman in Clinical Trials, FDA Workshop on Gender Issues, Washington, D.C., December 2008
19. Analysis of Gender Differences in a Medical Device Trial that was not Constructed for Gender Comparisons, Joint Statistical Meetings, Washington, D.C., August 2009
20. Methodology for the Analysis of Composite End Points in a Clinical Trial, Short Course taught at the Joint Statistical Meeting, Washington, D.C., August 2009
21. Post Market Studies Sub-Group Analyses, FDA Workshop on Post Market Studies, Silver Spring, Maryland, September 2009
22. INTERMACS: The Interagency Registry for Mechanically Assisted Circulatory Support, Silver Spring, Maryland, September 2009
23. NIH/FDA/CMS INTERMACS Registry: Unpublished Findings, Invited lecture at the Gordon Research Conference, Assisted Circulation "Moving Towards Prime Time?", Waterville Valley, New Hampshire, September 6, 2009
24. Progression of Heart Failure and its Impact on Post-Left Ventricular Assist Device Survival: An Analysis of the INTERMACS Registry, American Heart Association: Scientific Sessions 2012, Nov. 3-7, Los Angeles, CA
25. Early Statin Therapy is NOT Associated with Improved Outcomes After Heart Transplantation in Children, ISHLT 35<sup>th</sup> Annual Meeting and Scientific Sessions 2015, Apr. 15-18, Nice, FR
26. Impact of Initial Norwood Shunt Type on Young HLHS Patients Listed for Heart Transplant: A Multi-Institutional Study, ISHLT 35<sup>th</sup> Annual Meeting and Scientific Sessions 2015, Apr. 15-18, Nice, FR
27. A Multi-Institutional Evaluation of Antibody-Mediated Rejection Utilizing the PHTS Database: Prevalence, Therapeutic Approaches, and Outcomes, ISHLT 35<sup>th</sup> Annual Meeting and Scientific Sessions 2015, Apr. 15-18, Nice, FR
28. Lymphoproliferative Disorders Late After Pediatric Heart Transplantation: A Multicenter Analysis, ISHLT 35<sup>th</sup> Annual Meeting and Scientific Sessions 2015, Apr. 15-18, Nice, FR
29. A Multi-Institutional Evaluation of Antibody-Mediated rejection Utilizing the PHTS Database: Incidence, Therapies, and Outcomes, Midwest Pediatric Cardiology Society Annual Meeting 2015, Sep. 10-11, Peoria, IL

### **Scientific Papers Presented At Local And Regional Meetings**

1. Comparison of three cardiac output devices to determine which device is "best"; Spring Meeting of the Alabama Chapter of the American Statistical Association; Mobile, Alabama; May 1978.
2. The single hit model as a survival distribution; Annual Meeting of the Eastern Region of the Biometric Society; Nashville, Tennessee; March 12, 1983.
3. A review and comparison of eight two-parameter generalizations of the negative exponential distribution; Annual Meeting of the Eastern Region of the Biometric Society; Nashville, Tennessee; March 12, 1983.
4. A multi-phase system for parametric modeling of time-varying hazard incorporating multiple streams of concomitant information; Annual Meeting of the Eastern Region of the Biometric Society; Orlando, Florida; March 11, 1984.
5. Conservation of events: A useful result of maximum likelihood estimation for a broad class of parametric survival models; Annual Meeting of the Eastern Region of the Biometric Society; Atlanta, Georgia; March 16, 1986.
6. Extension of logistic regression to time-related survival analysis; Annual Meeting of the Eastern Region of the Biometric Society; Raleigh, North Carolina; March 1987.
7. The current status of SAS; Winter Meeting of the Alabama Chapter of the American Statistical Association; Birmingham, Alabama; February 1988.
8. Graphical display of parametric survival analysis; Spring Meeting of the Alabama Chapter of the American Statistical Association; Gulf Shores, Alabama; May 1989.

### **INVITED COURSES AND PRESENTATIONS AT OTHER UNIVERSITIES AND HOSPITALS**

1. Statistical methods in public health; 5 week graduate course at the University Cayetano Heredia; Lima, Peru; August 1984.
2. Statistical methods in public health; 5 week graduate course at the University of Chiang Mai; Chiang Mai, Thailand; October 1987.
3. Evolving statistical methodology for evaluating prosthetic heart valves; Invited lecture at Tenon Hospital; Paris, France; May 7, 1994.
4. Evolving statistical methodology for evaluating prosthetic heart valves; Invited lecture at University of Rennes, Rennes, France; May 8, 1994.

5. Evolving statistical methodology for evaluating prosthetic heart valves; Invited lecture at Nantes Hospital, Nantes France; May 8, 1994.
6. Designing and analyzing prosthetic heart valve studies; Invited lecture at Lariboisiere Hospital; Paris, France; June 28, 1994.
7. Designing and analyzing prosthetic heart valve studies; Invited lecture at Caen Hospital; Caen, France; June 29, 1994.
8. Statistical methods for outcomes research in cardiac surgery; Invited lecture at the Department of Surgery, University of Chicago; Chicago, Illinois; August 1994.
9. Competing outcomes after listing for cardiac transplantation in children; Invited lecture at the University Hospital of Rahr; Bad Oeynhausen, Germany; November 29, 1994.
10. Competing outcomes after listing for cardiac transplantation in children; Invited lecture at the Department of Surgery; University of Kiel; Kiel, Germany; November 29, 1994.
11. Competing outcomes after listing for cardiac transplantation in children; Invited lecture at the German Heart Center; Berlin, Germany; November 30, 1994.
12. Competing outcomes after listing for cardiac transplantation in children; Invited lecture at the German Heart Center; Munich, Germany; November 31, 1994.
13. Competing outcomes after listing for cardiac transplantation in children; Invited lecture at the Hannover Medical Center; Hannover, Germany; November 31, 1994.
14. Workshop on the Methodology and Interpretation of Outcomes after Cardiac Interventions; Leuven, Belgium; Sept 27-Oct. 1 1995; Co-taught with Eugene H. Blackstone, M.D.
15. Workshop on the Methodology and Interpretation of Outcomes after Cardiac Interventions; Leuven, Belgium; Oct 2-4, 1997; Co-taught with Eugene H. Blackstone, M.D.
16. Linearized Rates and Parametric Survival Analysis; Invited lecture at University of Rennes, Rennes, France: October 6, 1997.
17. Linearized Rates and Parametric Survival Analysis; invited lecture at Angers hospital, Angers, France: October 7, 1997.
18. Parametric Survival analysis: From Hazard Estimates to Cox Regression to Competing Outcomes, University of Arkansas, Little Rock, Arkansas, February 19, 1998.

19. The Statistical Analysis of Multi-Institutional Cardiac Transplant Databases: Invited lecture at Pathworth Hospital, Cambridge, England, July 2, 2000.
20. The Mechanics and Science of Multi-Institutional Studies: Examples from the Cardiac Transplant Research Database (CTRD) and Pediatric Heart Transplant Study (PHTS), Invited lecture at the University of Chicago, Chicago, Illinois, August 8, 2006

### **INVITED LECTURES AT LOCAL AND REGIONAL COURSES AND MEETINGS**

1. Statistical analysis in cardiac surgery studies; Meeting of University Statisticians of Southern Experimental Stations; Auburn, Alabama; July 30, 1981.
2. Using SAS for data management in a large multi-institutional study; Birmingham Users' Group for SAS Meeting; Birmingham, Alabama; 1991
3. Comparing and predicting time-related patient-specific outcomes after interventions for heart disease; Virginia Academy of Sciences Annual Meeting; Blackburg, Virginia; May 23, 1991.
4. The practical application of statistical decision making when choosing among competing treatments for a patient's condition; First Annual Outreach Conference, Georgia Medical Care Foundation: Atlanta, Georgia; April 27, 1995.
5. Outcomes Research: From Beginning to End. Sigma Theta Tau, Nu Chapter, Founder's Day Dinner: Birmingham, AL; October 5, 1995.
6. Outcomes Research: Practical Examples of the Process from Cardiac Transplantation. The Consortium of Laboratory Professionals Premier Event, 1996, Indianapolis, Indiana, April 1996.

### **SOFTWARE DEVELOPED:**

1. PROC HAZARD: A statistical computer package for the multivariable analysis of time-related events. (Co-developer with EH Blackstone) 1986.
2. PROC HAZPRED: A statistical computer package for the application of multivariable analysis to produces time-related probability of event. (Co-developer with EH Blackstone) 1986.
3. Patient-specific predictions and comparisons for patients with coronary artery disease; 1992.
4. Predicting the patient-specific time-related probability of events (death, infection, rejection) after cardiac transplantation; 1995.